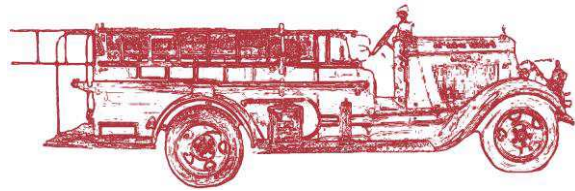
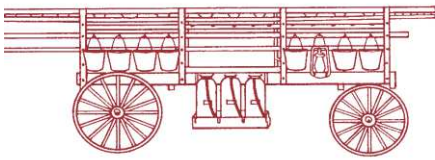


# CAMBRIA FIRE DEPARTMENT

Established 1887



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Mark Miller, Fire Chief

2850 Burton Drive • Cambria, CA. 93428

Phone: (805) 927-6240 • Fax: (805) 927-6242 • Email: mmiller@cambriacsd.org

## **FIRE PLAN REVIEW**

Department of Planning & Building  
County Government Center  
San Luis Obispo, CA 93408

Date: **October 30, 2013**

\*This Project Requires Water Letter - YES

Building owners Name: **David Slater and Chris Hays**

Project Address: **1538 Bradford Road**

Project type: **Residential Addition/Remodel**

Building Permit Number: **Pending**

APN# **024-261-038**

Square Footage of Existing Structure: **2040 SqFt**

Square Foot of Proposed Addition: **433 SqFt**

Sprinkler System required: **NO\***

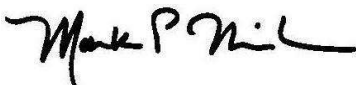
24-hour supervised monitored system required: No, if under 70 heads

Nearest Fire Hydrant: **On Bradford Rd. – 50 ft. 1000+ GPM**

Driveway Access: **N/A** Turnarounds required: **No**

**Comments: This structure is located in a High Cal-Fire Wildland Severity Zone and a High CCSD FD Wildland Fire Risk Zone.**

Conditions of approval: See attached **\*If Interior remodel results in removal of 50% removal of existing wall board – sprinkler requirements could be applicable by County ordinance.**



Mark Miller  
Fire Chief

*“Automatic Fire Sprinklers Save Lives!”*

## SECTION 505 – CLASS-2 (HIGH Fire Risk) IGNITION-RESISTANT CONSTRUCTION

**505.1 General.** Class-2 ignition-resistant construction shall be in accordance with Section 505.

**504.2 Roof Covering.** Roofs shall have a Class-A roof covering or a Class-A roof assembly. For roof coverings where the profile allows a space between the roof covering and roof decking, the space at the eave ends shall be fire stopped to preclude entry of flames or embers.

**505.3 Protection of Eaves.** Combustible eaves, fascias and soffits shall be enclosed with solid materials with a minimum thickness of ¾ inch. No exposed rafter tails shall be permitted unless constructed of heavy timber materials.

**505.4 Gutters and Downspouts.** Gutters and downspouts shall be constructed of noncombustible material.

**505.5 Exterior Walls.** Exterior walls of buildings or structures shall be constructed with materials approved for a minimum of one-hour-rated fire-resistive construction on the exterior side or constructed with approved noncombustible materials.

**Exception:** Heavy timber or log wall construction.

Such materials shall extend from the top of the foundation to the underside of the roof sheathing.

**505.6 Unenclosed Under floor Protection.** Buildings or structures shall have all under floor areas enclosed to the ground, with exterior walls in accordance with Section 505.5.

**Exception:** Complete enclosure may be omitted where the underside of all exposed floors and all exposed structural columns, beams and supporting walls are protected as required for exterior one-hour-rated fire-resistive construction or heavy timber construction.

### DECKING SURFACES AND UNDER FLOOR PROTECTION

#### 1. Decking

Decking surfaces, stair treads, risers and landings of decks, porches, and balconies where any portion of such surface is within 10' of the primary structure shall comply with one of the following:

- a. Shall be constructed of ignition-resistant materials OR constructed with heavy timber, exterior fire-retardant-treated wood, approved noncombustible materials, OR of 2" nominal redwood construction grade common or better.
- b. The county will accept decks with non-combustible surfaces such as ceramic tile or other product listed as "one-hour" or Class A roof covering. The use of paints, coatings, stains, or other surface treatments are not an approved method of protection.

#### 2. Floor Projections, under floor areas

The underside of floor projections, unenclosed under floor areas attached to, or within 10 feet of a structure, shall be constructed of, or covered with, ignition resistant materials, be of fire retardant or heavy timber construction or shall be enclosed to grade. Minimum Heavy Timber sizes are 6x6 columns, 6x8 beams, 4x8 joists.

**505.8 Exterior Glazing.** Exterior windows, window walls and glazed doors, windows within exterior doors, and skylights shall be tempered glass, multilayered glazed panels with one tempered pane, glass block or have a fire-protection rating of not less than 20 minutes.

**505.9 Exterior Doors.** Exterior doors shall be approved noncombustible construction, solid core wood not less than 1 ¾ inches thick, or have a fire-protection rating of not less than 20 minutes. Windows within doors and glazed doors shall be in accordance with Section 505.8.

**Exception:** Vehicle-access doors.

**505.10 Vents.** Attic ventilation openings, foundation or under floor vents or other ventilation openings in vertical exterior walls and vents through roofs shall not exceed 144 square inches each. Such vents shall be covered with non-combustible corrosion-resistant mesh with openings not to exceed 1/16 to 1/8 inch.

Attic ventilation openings shall not be located in soffits, in eave overhangs, between rafters at eaves, or in other overhang areas. Gable end and dormer vents shall be located at least 10 feet from property lines. Under floor ventilation openings shall be located as close to grade as practical.

**505.11 Detached Accessory Structures.** Detached accessory structures located less than 50 feet from a building containing habitable space shall have exterior walls constructed with materials approved for a minimum of one-hour-rated fire-resistive construction, heavy timber, log wall construction, or constructed with approved non combustible material on the exterior side.

When the detached structure is located and constructed so that the structure or any portion thereof projects over a descending slope surface greater than 10 percent, the area below the structure shall have all under floor areas enclosed to within 6 inches of the ground, with exterior wall construction in accordance with Section 505.5 or under floor protection in accordance with Section 505.6.

**EXCEPTION:** The enclosure may be omitted where the underside of all exposed floors and all exposed structural columns, beams and supporting walls are protected as required for exterior one-hour-rated fire-resistive construction or heavy-timber construction. See Section 505.2 for roof requirements.

### **Hazardous Fuel Abatement**

Provide a hazardous fuel abatement program before, during and after construction. Maintain combustible vegetation clearance to a minimum of 30 feet from combustible construction materials.

### **Defensible Space**

Persons owning, leasing controlling, operating, or maintaining buildings or structures requiring defensible spaces are responsible for modifying or removing non fire-restive vegetation on the property owned, leased or controlled by said person. All Irish/Scotch broom, and pampas grass must be removed to its' volatility.

Ornamental vegetative fuels or cultivated ground cover, such as green grass, ivy, succulents or similar plants used as ground cover, are allowed to be within the designed defensible space provided they do not form a means of readily transmitting fire from the native growth to any structure.

Trees are allowed within the defensible space provided the horizontal distance between crowns of adjacent trees, and crowns of trees and structures, overhead electrical facilities, or unmodified fuel is not less than 10 feet. Trees must be limbed up 6-7 feet from the ground level. Deadwood and litter shall be regularly removed from trees. Minimum defensible space around the structure is 30 feet, more is required on sloped parcels. UWIC Sec. 603

### **Maintenance of Defensible Space**

Non fire-resistive vegetation or growth shall be kept clear of buildings or structures, in accordance with Section 603, in such a manner as to provide a clear area for fire suppression operations. The entire parcel must be maintained in such a way to provide for and insure adequate defensible space. UWIC Sec. 604.2